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(21) International Application Number: PCT/US99/08168 (22) International Filing Date: 14 April 1999 (14.04.99) (30) Priority Data: <table><tr><td>09/060,188</td><td>14 April 1998 (14.04.98)</td><td>US</td></tr><tr><td>60/090,783</td><td>26 June 1998 (26.06.98)</td><td>US</td></tr><tr><td>60/112,909</td><td>18 December 1998 (18.12.98)</td><td>US</td></tr><tr><td>60/123,000</td><td>5 March 1999 (05.03.99)</td><td>US</td></tr></table> (71) Applicants (for all designated States except US): ARENA PHARMACEUTICALS, INC. [US/US]; 6166 Nancy Ridge Drive, San Diego, CA 92121 (US). TRIPOS, INC. [US/US]; 1699 S. Hanley Road, St. Louis, MO 63144 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): BEHAN, Dominic, P. [GB/US]; 11472 Roxboro Court, San Diego, CA 92131 (US). CHALMERS, Derek, T. [GB/US]; 347 Longden Lane, Solana Beach, CA 92075 (US). FOSTER, Richard, J. [GB/GB]; Lower Penhalt, Poundstock, Bude, Cornwall EX23 0DF (GB). GLEN, Robert, C. [GB/US]; 7 Stone Chimney, Glencoe, MO 63038 (US). LAWLESS, Michael, S. [US/US]; 1847 Willow Oak Drive, St. Charles, MO 63303 (US). LIAW, Chen, W. [US/US]; 7668 Salix Place, San Diego, CA 92129 (US). LIU, Qian [CN/US]; 13 Cool		09/060,188	14 April 1998 (14.04.98)	US	60/090,783	26 June 1998 (26.06.98)	US	60/112,909	18 December 1998 (18.12.98)	US	60/123,000	5 March 1999 (05.03.99)	US	Meadows Drive, Ballwin, MO 60311 (US). RUSSO, Joseph, F. [US/US]; 14520 Vintage Drive, San Diego, CA 92129 (US). SMITH, Julian, R. [GB/GB]; 2 Exe View Cottages, Whitestone, Exeter, Devon EX 2JJ (GB). THOMSEN, William, J. [US/US]; 13603 Mar Scenic, Del Mar, CA 92014 (US). (74) Agents: ROSEN, Mark, J.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (US) et al. (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
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(54) Title: NON-ENDOGENOUS, CONSTITUTIVELY ACTIVATED HUMAN SEROTONIN RECEPTORS AND SMALL MOLECULE MODULATORS THEREOF															
(57) Abstract Disclosed herein are non-endogenous, constitutively activated forms of the human 5-HT _{2A} and human 5-HT _{2C} receptors and uses of such receptors to screen candidate compounds. Further disclosed herein are candidate compounds identified by the screening method which act at the 5HT _{2A} receptors. Yet further disclosed is a new class of compounds which act at the 5HT _{2A} receptors.															